

ABSTRACT OF THE DISCLOSURE

A reactive composition that comprises a metal material and an energetic material, such as at least one oxidizer, at least one class 1.1 explosive material or mixtures thereof. The metal material defines a continuous phase and the energetic material is dispersed therein. The metal material may be a fusible metal alloy having a melting point ranging from approximately 46°C to approximately 250°C. The fusible metal alloy may include at least one metal selected from the group consisting of bismuth, lead, tin, cadmium, indium, mercury, antimony, copper, gold, silver, and zinc. The reactive composition may have a density greater than approximately 2 g/cm³. The reactive composition may also include a polymer/plasticizer system. A method of forming the reactive composition and a method of improving homogeneity of a reactive composition are also disclosed.

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